

§ 3405.3

§ 3405.2(i), nor required to meet the definition of “college” or “university” as specified in § 3405.2(f).

(n) *Land-grant colleges and universities* means those institutions eligible to receive funds under the Act of July 2, 1862 (12 Stat. 503–505, as amended; 7 U.S.C. 301–305, 307 and 308), or the Act of August 30, 1890 (26 Stat. 417–419, as amended; 7 U.S.C. 321–326 and 328), including Tuskegee University.

(o) *Matching* or *Cost-sharing* means that portion of project costs not borne by the Federal Government, including the value of in-kind contributions.

(p) *Peer review panel* means a group of experts or consultants, qualified by training and experience in particular fields of science, education, or technology to give expert advice on the merit of grant applications in such fields, who evaluate eligible proposals submitted to this program in their personal area(s) of expertise.

(q) *Prior approval* means written approval evidencing prior consent by an authorized departmental officer as defined in § 3405.2(a) of this part.

(r) *Project* means the particular activity within the scope of one or more of the targeted areas supported by a grant awarded under this program.

(s) *Project director* means the single individual designated by the grantee in the grant application and approved by the Secretary who is responsible for the direction and management of the project.

(t) *Project period* means the period, as stated in the award document and modifications thereto, if any, during which Federal sponsorship begins and ends.

(u) *Secretary* means the Secretary of Agriculture and any other officer or employee of the Department of Agriculture to whom the authority involved may be delegated.

(v) *State* means any one of the fifty States, the Commonwealth of Puerto Rico, Guam, American Samoa, the Commonwealth of the Northern Marianas, the Virgin Islands of the United States, and the District of Columbia.

(w) *Teaching* means formal classroom instruction, laboratory instruction, and practicum experience in the food and agricultural sciences and matters related thereto (such as faculty devel-

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opment, student recruitment and services, curriculum development, instructional materials and equipment, and innovative teaching methodologies) conducted by colleges and universities offering baccalaureate or higher degrees.

(x) *Third party in-kind contributions* means non-cash contributions of property or services provided by non-Federal third parties, including real property, equipment, supplies and other expendable property, directly benefiting and specifically identifiable to a funded project or program.

(y) *United States* means the several States, the territories and possessions of the United States, the Commonwealth of Puerto Rico, Guam, American Samoa, the Commonwealth of the Northern Marianas, the Virgin Islands of the United States, and the District of Columbia.

§ 3405.3 Institutional eligibility.

Proposals may be submitted by land-grant and other U.S. colleges and universities offering a baccalaureate or first professional degree in at least one discipline or area of the food and agricultural sciences. Each applicant must have a demonstrable capacity for, and a significant ongoing commitment to, the teaching of food and agricultural sciences generally and to the specific need and/or subject area(s) for which a grant is requested. Awards may be made only to eligible institutions as defined in § 3405.2(i).

Subpart B—Program Description

§ 3405.4 Purpose of the program.

The Department of Agriculture is designated as the lead Federal agency for higher education in the food and agricultural sciences. In this context, CSREES has specific responsibility to initiate and support projects to strengthen college and university teaching programs in the food and agricultural sciences. One national initiative for carrying out this responsibility is the competitive Higher Education Challenge Grants Program. A primary goal of the program is to attract and ensure a continual flow of outstanding students into food and agricultural sciences higher education programs

and to provide them with an education of the highest quality available anywhere in the world and which reflects the unique needs of the Nation. It is designed to stimulate and enable colleges and universities to provide the quality of education necessary to produce baccalaureate or higher degree level graduates capable of strengthening the Nation's food and agricultural scientific and professional work force. It is intended that projects supported by the program will:

(a) Address a State, regional, national, or international educational need;

(b) Involve a creative or nontraditional approach toward addressing that need which can serve as a model to others;

(c) Encourage and facilitate better working relationships in the university science and education community, as well as between universities and the private sector, to enhance program quality and supplement available resources; and

(d) Result in benefits which will likely transcend the project duration and USDA support.

§ 3405.5 Matching funds.

Each application must provide for matching support from a non-Federal source. CSREES will cite in the program announcement the required percentage of institutional cost sharing.

§ 3405.6 Scope of program.

This program supports projects related to strengthening undergraduate or graduate teaching programs as specified in the annual program announcement. Only proposals addressing one or more of the specific targeted need areas(s) identified in the program announcement will be funded. Proposals may focus on any subject matter area(s) in the food and agricultural sciences unless limited by determinations as specified in the annual program announcement. A proposal may address a single targeted need area or multiple targeted need areas, and may be focused on a single subject matter area or multiple subject matter areas, in any combination (e.g., curriculum development in horticulture; curriculum development, faculty enhance-

ment, and student experiential learning in animal science; faculty enhancement in food science and agribusiness management; or instruction delivery systems and student experiential learning in plant science, horticulture, and entomology). Targeted need areas will consist of one or more of the following:

(a) *Curricula design and materials development.* (1) The purpose of this initiative is to promote new and improved curricula and materials to increase the quality of, and continuously renew, the Nation's academic programs in the food and agricultural sciences. The overall objective is to stimulate the development and facilitate the use of exemplary education models and materials that incorporate the most recent advances in subject matter, research on teaching and learning theory, and instructional technology. Proposals may emphasize: the development of courses of study, degree programs, and instructional materials; the use of new approaches to the study of traditional subjects; or the introduction of new subjects, or new applications of knowledge, pertaining to the food and agricultural sciences.

(2) Examples include, but are not limited to, curricula and materials that promote:

(i) Raising the level of scholastic achievement of the Nation's graduates in the food and agricultural sciences.

(ii) Addressing the special needs of particular groups of students, such as minorities, gifted and talented, or those with educational backgrounds that warrant enrichment.

(iii) Using alternative instructional strategies or methodologies, including computer-assisted instruction or simulation modeling, media programs that reach large audiences efficiently and effectively, activities that provide hands-on learning experiences, and educational programs that extend learning beyond the classroom.

(iv) Using sound pedagogy, particularly with regard to recent research on how to motivate students to learn, retain, apply, and transfer knowledge, skills, and competencies.

(v) Building student competencies to integrate and synthesize knowledge from several disciplines.